

Earth's Layers FOLDABLE®

Question Sheet

Name _____ Block _____

Directions: Use your Earth's Layers FOLDABLE® to answer these questions.
You may also need to use your textbook.

1. The planet we call Earth has how many main layers? 4

Write them in order from the center to the outside of the planet.

inner core
outer core
mantle
crust

2. Use your FOLDABLE to answer these questions:

Name the thickest layer MANTLE

Name the thinnest layer CRUST

Write as a fraction the relationship of the thinnest layer to the thickest layer. Show your work!

Challenge: Perhaps you have imagined digging a tunnel through the earth that comes out the other side. Figure it out ... How many kilometers would you have to dig? Show your work!

3. Write 4 interesting facts about the Earth's Crust.

- a. Solid
- b. Oceanic - basalt
- c. continental granitic
- d. Oceans cover 70% of crust

4. The crust and the upper layer of the mantle together make up a zone of rigid, brittle rock called LITHOSPHERE.

5. Write three amazing facts about the Mantle.

- a. upper mantle solid
- b. middle / lower liquid molten
- c. middle → asthenosphere

6. What are the Convection Currents? currents inside middle mantle that carry heat to surface from core

7. Name two metals found in the Outer Core. Iron and Nickel

The border between the Outer core and the Inner Core is how many kilometers beneath the crust? 5100 km

8. The Inner core is under so much pressure it does not move like a liquid, it is a solid.

Write the temperature of the center of the Earth. 7200°C / 13000°F

9. Why is the Inner Core a solid if it is the hottest layer? How is that possible?

The pressure is so intense that atoms cannot move

10. What is the difference between the **continental** crust and the **oceanic** crust. List two differences.

Continental Crust

Granite

mostly

above sea level

Oceanic Crust

Basalt

mostly below

sea level